

What is claimed is:

1. (Three times amended) An isolated nucleic acid molecule selected from the group consisting of:
 - (a) an isolated nucleic acid molecule comprising the DNA sequence of SEQ ID NO:1;
 - (b) an isolated nucleic acid molecule encoding an amino acid sequence comprising the sequence of SEQ ID NO:2; and
 - (c) an isolated nucleic acid molecule that hybridizes to a nucleic acid comprising the nucleic acid sequence of (a) or (b) in 50% formamide and 6XSSC at 42°C with washing conditions of 60°C, 0.5XSSC, 0.1% SDS, wherein said nucleic acid molecule encodes a polypeptide comprising amino acids 135-345 of SEQ ID NO:2.
2. A recombinant vector that directs the expression of a nucleic acid molecule of claim 1.
8. (Amended) A host cell comprising the vector of claim 2.
9. (Amended) A method for the production of H14 polypeptide comprising culturing a host cell of claim 8 under conditions promoting expression.
10. The method of claim 9, wherein the host cell is selected from the group consisting of bacterial cells, yeast cells, plant cells, and animal cells.
17. (Amended) A fusion polypeptide comprising amino acids 32-339 of SEQ ID NO:3 fused to heterologous amino acids.
18. The fusion polypeptide of claim 17, wherein said heterologous amino acids comprise the Fc region of an antibody and a CMV leader.
19. The fusion polypeptide of claim 18 comprising amino acids 1-544 of SEQ ID NO:3.
20. The fusion polypeptide of claim 19 comprising amino acids 21-544 of SEQ ID NO:3.

21. (Two times amended) An isolated nucleic acid molecule selected from:

- (a) an isolated nucleic acid molecule encoding an amino acid sequence comprising the sequence of SEQ ID NO:3;
- (b) an isolated nucleic acid molecule encoding an amino acid sequence comprising amino acids 32-339 of SEQ ID NO:3; and
- (c) an isolated nucleic acid molecule encoding an amino acid sequence comprising amino acids 21-339 of SEQ ID NO:3.

23. (Amended) An isolated nucleic acid molecule comprising a DNA sequence selected from the group consisting of:

- (a) SEQ ID NO:1;
- (b) nucleotides 1-1278 of SEQ ID NO:1;
- (c) nucleotides 1-697 of SEQ ID NO:1; and
- (d) nucleotides 698-923 of SEQ ID NO:1.

24. An isolated nucleic acid molecule encoding an amino acid sequence comprising amino acids 1-426 of SEQ ID NO:2.

25. (Amended) An isolated nucleic acid molecule encoding a polypeptide comprising amino acids 135-345 of SEQ ID NO:2.

26. (Amended) An isolated nucleic acid molecule encoding a polypeptide comprising amino acids 37-134 of SEQ ID NO:2.

27. (Amended) An isolated nucleic acid molecule encoding an amino acid sequence selected from the group consisting of:

- (a) amino acids 1 to 314 of SEQ ID NO:2;
- (b) amino acids 1 to 345 of SEQ ID NO:2;
- (c) an amino acid sequence starting at any one of amino acids 31-37 and terminating at amino acid 134 of SEQ ID NO:2;

- (d) an amino acid sequence starting at any one of amino acids 31-37 and terminating at amino acid 345 of SEQ ID NO:2; and
- (e) an amino acid sequence starting at any one of amino acids 31-37 and terminating at amino acid 426 of SEQ ID NO:2.

28. (Amended) An isolated nucleic acid molecule encoding an amino acid sequence selected from the group consisting of:

- (a) amino acids 1-544 of SEQ ID NO:3;
- (b) amino acids 21-544 of SEQ ID NO:3;
- (c) amino acids 32-544 of SEQ ID NO:3;
- (d) amino acids 1-339 of SEQ ID NO:3;
- (e) amino acids 21-339 of SEQ ID NO:3; and
- (f) amino acids 32-339 of SEQ ID NO:3.